Bruhat Bangalore Mahanagara Palike

Name of Work: Providing Sculpture/Murals at Parks, Lakes, and Junctions in Yelahanka Assembly Constituency.

RATE ANALYSIS

(Based on Schedule of Rates for the year 2018-19 , 2021- 2022 PW, P&IWTD Bangalore Circle.

Sl. No.	Description of work	Unit	Volume	SR Page No	Item No.	Basic Rate in Rs.	AW 8%	Total in Rs.	TP above 4.9% 4.90% Above	Total Amount in Rs. Ps.
1	KSRB 2-2 : Earthwork excavation by manual means for foundation of buildings, water supply and sanitary lines and electrical conduits etc, either in pits or in trenches 1.5m and above in width, in soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. including breaking of clods complete as per specifications	Cum		6	2.3	299.00	23.92	322.92	15.82	338.74
3	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of Mix M15 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications.	Cum		13	4.60	5919.71	473.58	6393.29	313.27	6706.56
4	KSRB 4-1.5 : Providing and laying in position plain cement concrete of Mix M20 with OPC @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.43cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications	Cum		13	4.5	5950.14	476.01	6426.15	314.88	6741.03
5	KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications	Cum		7	2.1	201.00	16.08	217.08	10.64	227.72

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6	Conveying the excavated earth, debris etc., with all lead and lifts Including loading and unloading chargesetc., complete as per the direction of Engineer incharge.	Cum		136	17.40	62.12	4.97	67.09	3.29	70.38
E1	Providing Size Stone masonry with hard stone in foundation & plinth with Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum	II	9	5.4	5352.00	428.16	5780.16	283.23	6063.39
E2	Providing and laying flooring and steps fine dressed granite stone slabs 40 mm thick on cement mortar bed 1:6, 25 mm thick, and pointed with cement mortar 1:3 over existing cement concrete bed , including cost of materials, mortar, labour, curing complete as per	Cum	II	64	9.29	2383.00	190.64	2573.64	126.11	2699.75
E3	Construction of Embankment by excavating the available approved Gravel/Murrum deposited at a place or borrow pits during or prior excavation with all lifts and lead, transportation to site, spreading, grading to required slope and compacting to meet the requirement complete as per specifications, including cost of labour,rolling,water,all materials,usage& all other appurtenaces	Cum	I	7	1.8	402.00	32.16	434.16	21.27	455.43
E4	Providing and fixing of Ornamental Granite Pillar of overall height of 800mm 200x200sqmm, Octagonal to a height of 820mm and carving design at bottom as shown in drawing .and 280mm respectively as per the approved Design and drawing including quarry cutting to the required size and transporting the same from quarry to work spot\ including loading and un loading with all lead and lift etc. complete as per design and drawing. The work shall be carried out as per design and drawing. Firmly fixed to the ground by means of properly designed foundation of size 300mm x 300mm x 300mm in 1:1.5:3 ratio cement concrete The work shall be carried out as per the	Nos	Data Rate							12500.00

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E5	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners, stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in- charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.) including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-	Kg	II	83	11.28	500.00	40.00	540.00	26.46	566.46
E6	1.1kV LT, XLPE or Heat resistant PVC insulated, PVC exutruted Inner Seath armoured UG LT cable as per IS-1554 (Part1) or IS-7098 Part-1, Armouring strip thickness in average ± 5% and resistivity 14 Ohms/Kms (Max) as per IS-3975 6 Sqmm, 2 Core, (24 GI wire -	KM	BESCOM	8	31.01	55596.00		55596.00	2724.20	58320.20
E7	Sprinkler System:Providing and Fixing Sprinkler System with in the site by Using 25mm/10kg, 40mm/6kg good quality PVC pipes, ISI marked sprinklers, Control valves and Fitting etc., Including excavation and backfilling trenches (Excluding of Providing borewell,	Each	Horticulture Approved Rate.							4000.00
E8	Development of Lawn:Cleaning the site by Scraping and removing Top layer of Soil,Removing Unwanted Debris,Grass Along With Excavted Earth To A Distance Of 500m From The Spot Including Lead,Lift Loading And Unloading Charges[1*1*0.15m](Horticulture	Sqm	Harti							69.04
E9	1st Digging For Lawn: Earthwork Digging Including Removing Weeds, Debris, If Any and Breaking of Clumps Watering Etc To a Depth Of (Horticulture S.R)	Sqm	Harti							97.16
E10	Soil Filling For Lawn: Supply And Stocking Good Quality Red Earth Etc For Filling The Top Layer To a Depth of 0.15m [1*1*0.15](Horticulture S.R)	Sqm	Harti							48.58

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E11	Soil Filling For Lawn: Supply And Stocking Good Quality Red Earth Etc For Filling The Top Layer To a Depth of 0.15m [1*1*0.15](Horticulture S.R)	Sqm	Horticulture ~~Harti~~ approved Rate.							65.81
E12	Soil Filling For Lawn: Providing Sand,FYM And Red Earth in the Ratio of 1:3:6 And Spreading To a Depth of 7.5cm At the Required Site (Horticulture S.R)	Sqm	-do- Harti							53.80
E13	Supply Of Lawn Grass: Laying of barbada gross over newly laid red earth surface with all lead and lift and directions of the Engineer-In-charge of the work.(Horticulture S.R)	Sqm	-do- Harti							15.00
E14	Crawler mounted Crane 35 t capacity	Hr	1	A-44	21	4514.10		4514.10	221.19	4735.29
E15	Supply And Fixing Of BBMP Logo Of 40'' Height And 24'' Width Made Of Stainless Steel Plate With Buffed And Mirror Finish 2mm Coating it With Titanium Nitride For Gold Colour Including With All Lead And Lift And Completion Of The Work As Per Direction Of Engineer in Charge Of The Work.	Nos	Approved Rate							100000.00
E16	Earth work in surface excavation by mechanical means for lowering & leveling the ground for all works other than foundation in all kinds of soils & upto depth not exceeding 300mm as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenances required to complete the work	Cum	1	8	1.12	65.00	5.20	70.20	3.44	73.64

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E17	Providing and fixing pre cast solid cement concrete kerb stones made out of M20 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete as directed by the Engineer in Charge of the work (excluding GST and Area Leading Charges) (Approved Rate)	Nos	Approved Rate					507.00	24.84	531.84
E18	Painting two coats after filling the surface with synthetic enamel paint in all shades on new plastered concrete surfaces	Sqm	III	56	8.10	85.00	6.80	91.80	4.50	96.30

Assistant Engineer
Project Division Yelahanka

Asst.Executive Engineer
Project Division Yelahanka

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